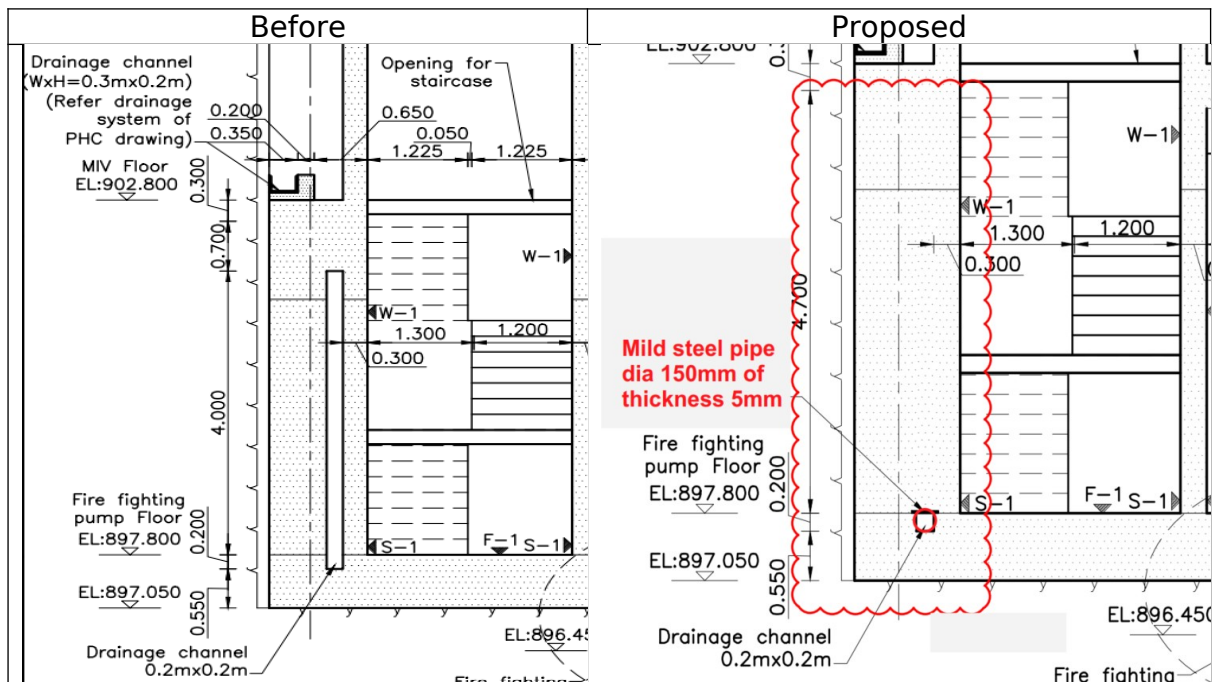


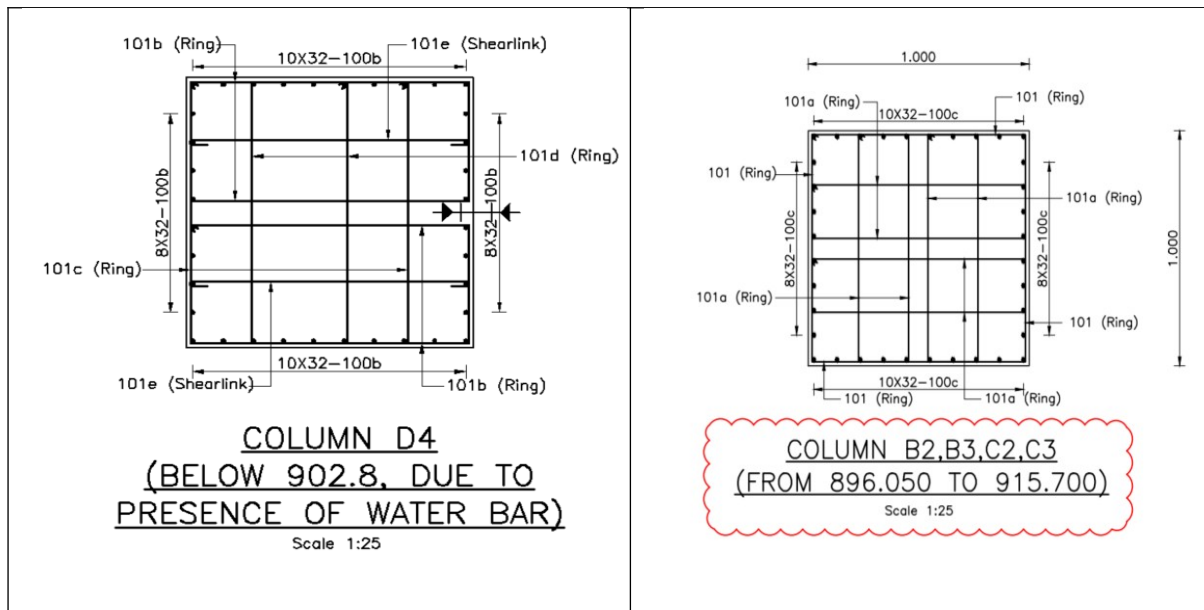
Different Problems faced and Changes Implemented for Powerhouse Cavern

1. DCN-24-C-001: Date 01 Jan 2024, due to the Construction Teams requirement i.e. difficulty in formwork execution behind the Shear Wall of Staircase of Bay 01 Draft Tube Floor, the 20cm gap was decided to fill with concrete. The Drainage Trench was also decided to be replaced by Mild-Steel Pipe of Dia 150mm.

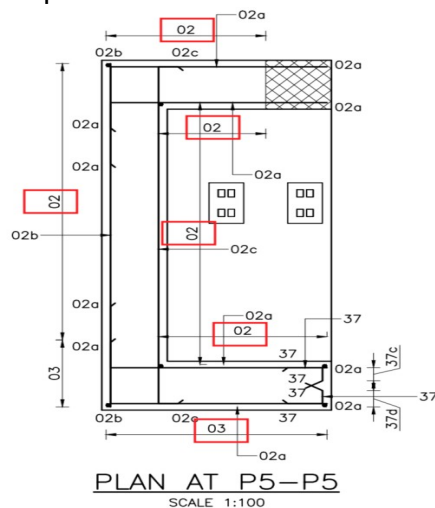


2. Before, it was planned to install the WaterStop at the Column D4 of Bay 01 and Column D5 of Bay 02, but after it was recommended no necessity of Waterstop at those area by Doosan Team Member. So Waterstop was removed from the drawing of both Bay 01 and Bay 02 of respective column and was also not installed at site.

| | |
|-------------------|---------|
| Previous revision | Updaetd |
|-------------------|---------|



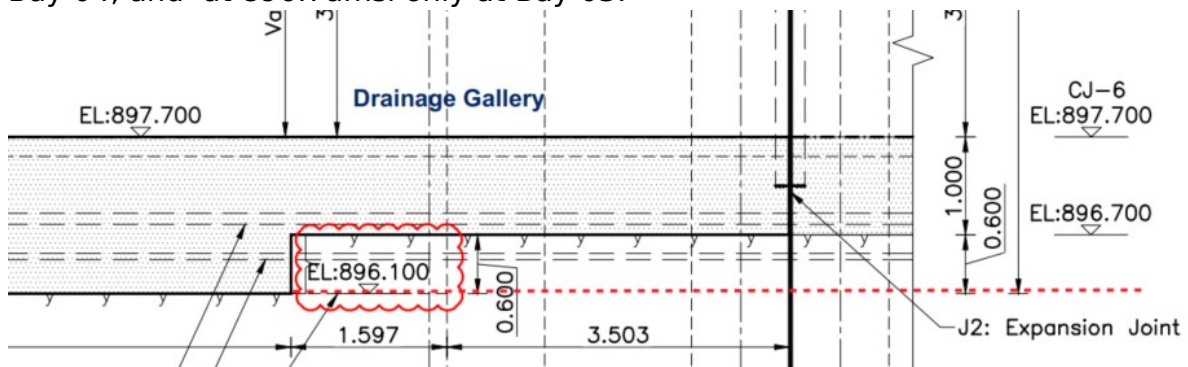
3. Bay 02, Reinforcement Drawing Below 902.8amsl Rev.0C: In the Drainage Slump, Rebar 02 and 03 (Vertical Wall rebars) were submitted with development with 300mm. The BBS had already been implemented at site. But in the revised drawing from Sanima for same Rev.0C (with no revision cloud mark), same rebars were given 1250mm development in BBS which gave the problem at site. As OE people had the new revised drawing, Rebar 02 and 03 had to be replaced as per new BBs i.e. 1250 Development Length.



| Previous Revision | | | | Updated | | | |
|-------------------|--------------|----|---|---------|---------------|----|---|
| 10600 | 300 10400 | 37 | Plan P2-P2, P3-P3; Section E-E; Elevation E1-E1 | 11550 | 1250 10400 | 37 | Plan P2-P2, P3-P3; Section E-E; Elevation E1-E1 |

Also, 1m width wall on the face of Drainage gallery of Bay 02 had no closing rebar in the previous Drawing provided by Sanima. In the revised drawing, this mistake was also corrected and was implemented at site.

4. As per our Excavation Status of site and Excavation-Support Drawing of PH, Drainage Gallery had to build on different Elevations, 896.1amsl and 806.7amsl at different section. It was to be built at elevations 896.1 & 896.7 at Bay 02 & Bay 04, and at 896.7amsl only at Bay 03.



But Sanima designed the Model at only elevation 896.1amsl and provided drawing of Drainage Gallery for only 896.1 amsl. So, PC instructed Sanima so change the drawings based on the present Excavated Site condition of PHC. We have already got the updated drawings for PH Bay 02, but the Structural Calculations has not been updated and provided to PC till date.